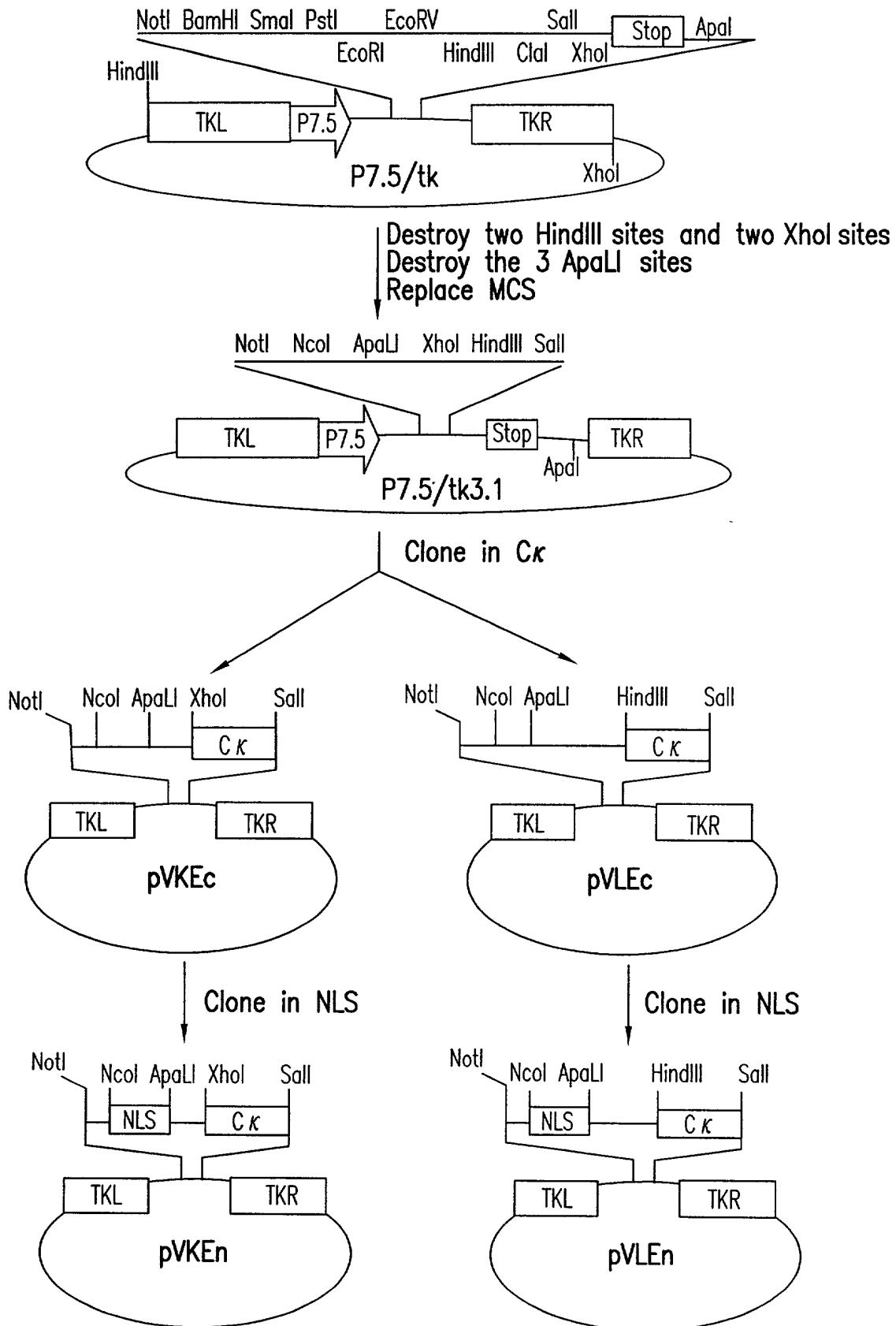


CONSTRUCTION OF pVHEc

FIG.1



CONSTRUCTION OF pVKEc/pVLEc AND pVKEc/pVLEn

FIG.2

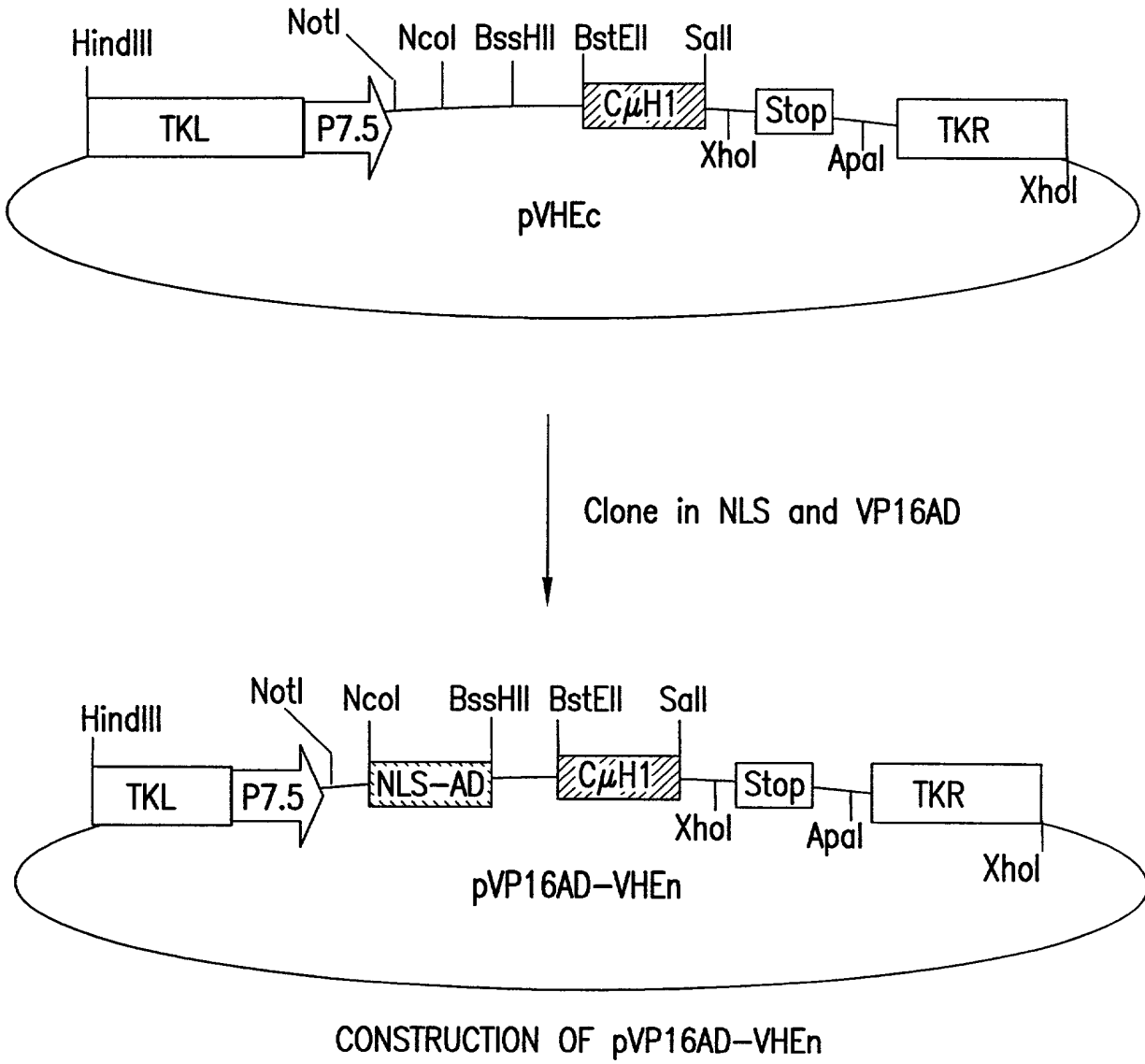


FIG.3

Appl. No. To be assigned; Group Art Unit: To be assigned

Dkt. No. 1821.0090004; Batch No.: N/A

Inventors: Zauderer *et al.*; Tel: 202/371-2600

Title: Methods of Producing or Identifying Intrabodies in Eukaryotic Cells

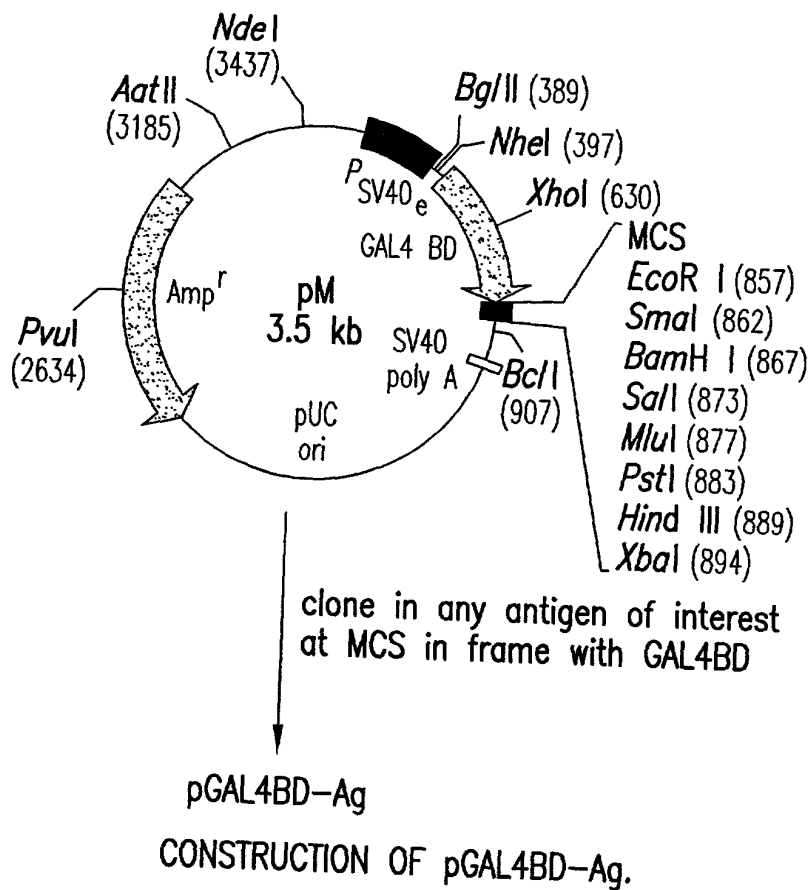
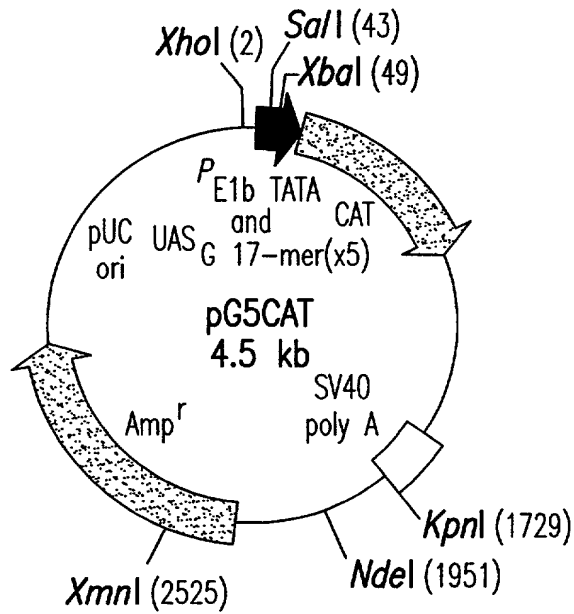


FIG.4



↓ mutagenize nt118 & 119 from AA to CC
to create an NcoI site at aa1 of CAT

↓ Mutagenize nt635 from C to T to
destroy the NcoI site at aa173 of
CAT

↓ pG5

↓ clone in the CTL target or other reporter construct
at NcoI and BspEI to replace the CAT gene

↓ pG5-R

CONSTRUCTION OF pG5-R.

FIG.5

TRI-MOLECULAR HOMOLOGOUS RECOMBINATION

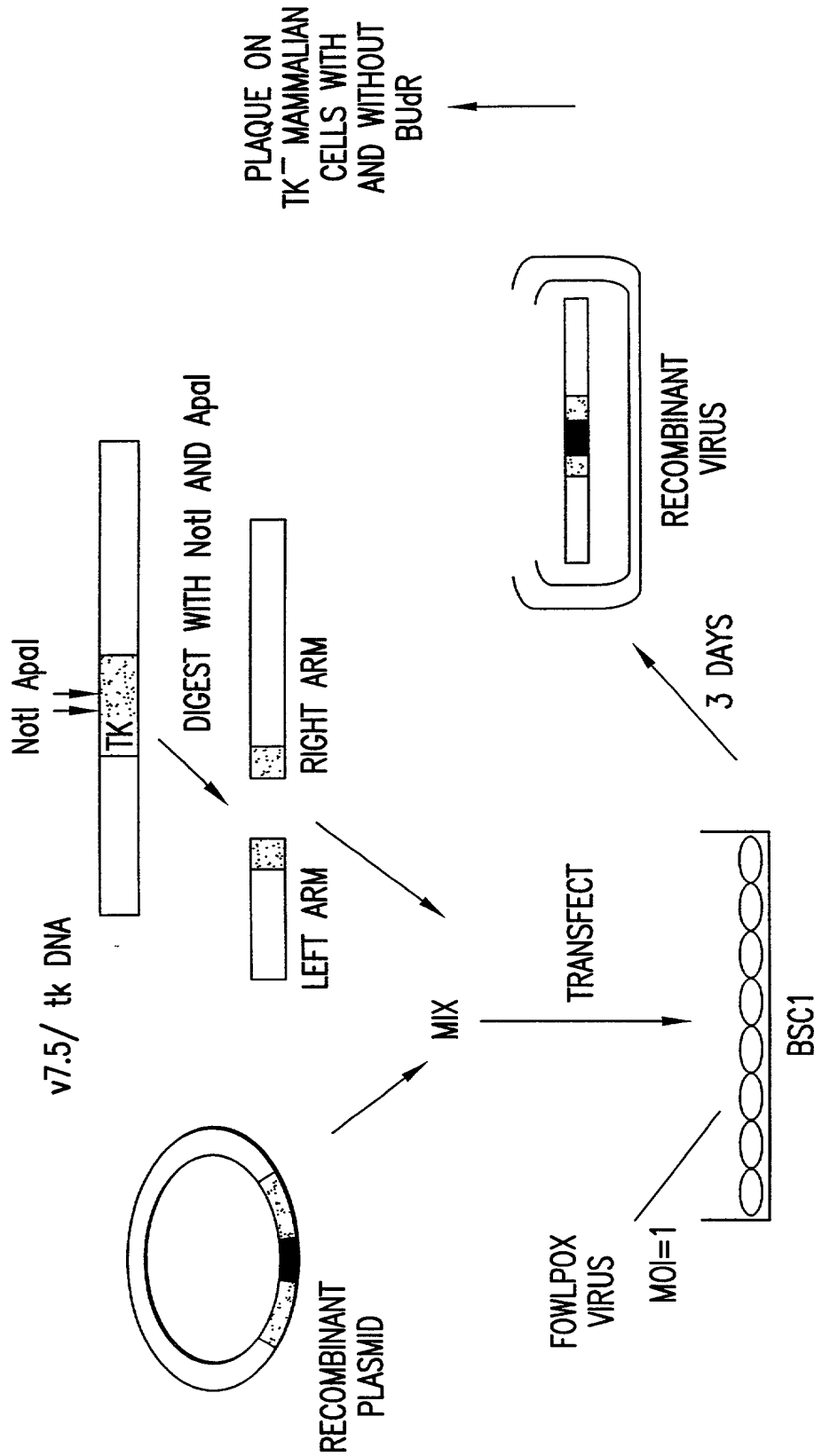


FIG.6

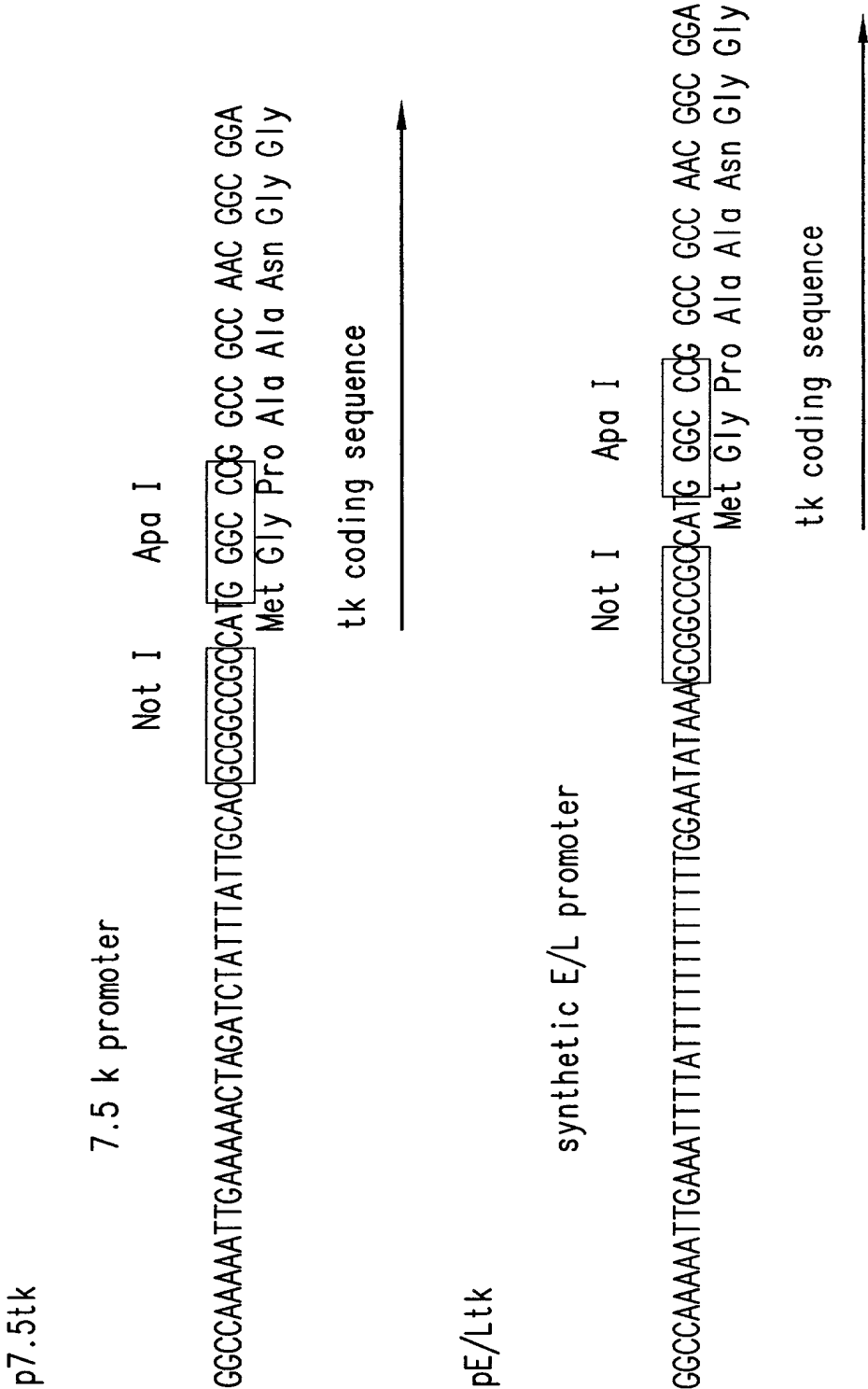


FIG.7

1. p7.5tk

7.5K PROMOTER NOTI APAI

5' - GGCCAAAAATTGAAAAACTAGATCTATTTATTGCACGGCGCGCCATGGGCCCCGGCC -3'

2. p7.5/ATG0/tk

7.5K PROMOTER NOTI BAMHI SMAI PSTI

5' - GGCCAAAAATTGAAAAACTAGATCTATTTATTGCACGGCGCGCGTGGATCCCCGGGCTGCAGGAA

SALI TRANSLATION STOP CODONS TRANSCRIPTION STOP SIGNAL

TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGCGCTAACTAAATTTGTTTTTGT

APAI

GGGCCCCGGCC -3'

FIG. 8A

3. p7.5/ATG1/tk

7.5K PROMOTER	NOTI	START CODON	BAMHI	SMAI	PSTI
5' – GCCCAAAATTGAAAACTAGATCTATTATTGCACGGCGCCCATGGTGGATCCCCCGGCTGCAGGAA					
TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAAATTTGTTTTTGT					

APAI
GGGCGCGGCC –3'

FIG. 8B

4. p7.5/ATG2/tk

7.5K PROMOTER	NOTI	START	BAMHI	SMAI	PSTI
		CODON			

5' -- GCCCAAAAATTGAAAAACTAGATCTATTTATTGCACGGCGGCCCAATGAGTGGATCCCCCGGCTGCAGGAA

SAL I	TRANSLATION	TRANSCRIPTION
	STOP CODONS	STOP SIGNAL

TTCCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCTAACTAATTTGTTTTTGT

APAI

GGGGCCGGCC --3'

FIG. 8C

5. p7.5/ATG3/tk

7.5K PROMOTER	NOTI	START	
		CODON	BAMHI SMAI PSTI
5' – GCCCAAAAATTGAAAAGCTAGATCTATTATTCACGGCGCGCGCCATGACGTGGATCCCCGGGCTGCAGGAA			

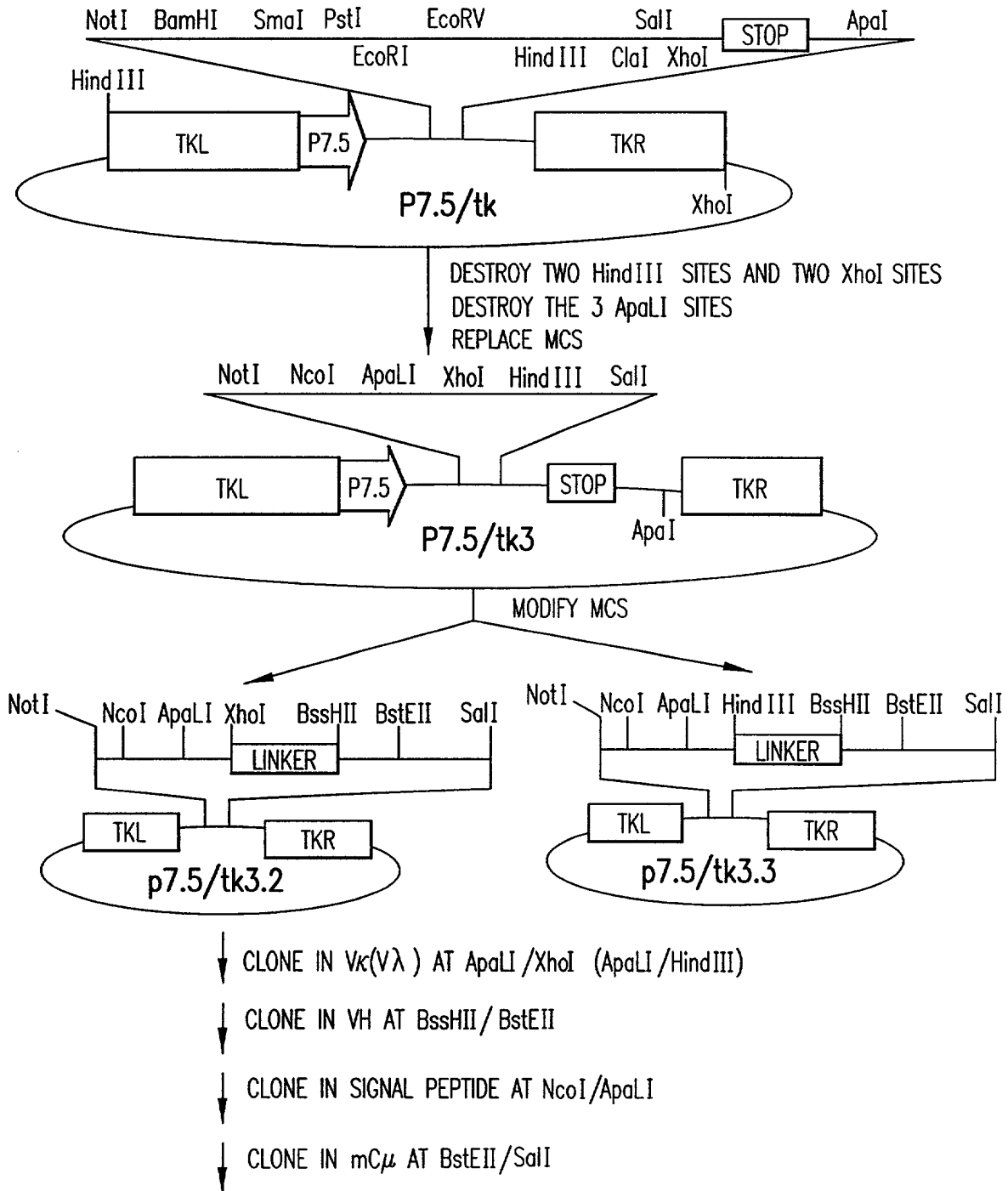
SALI	TRANSLATION	TRANSCRIPTION
	STOP CODONS	STOP SIGNAL

TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAATTTGTTTTTGT

APAI

GGGCCCCGGCC –3'

FIG. 8D



CONSTRUCTION OF scFV EXPRESSION VECTORS

FIG.10